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Titolo	Computer Performance Evaluation. Modelling Techniques and Tools : 11th International Conference, TOOLS 2000 Schaumburg, IL, USA, March 25-31, 2000 Proceedings // edited by Boudewijn R. Haverkort, Henrik C. Bohnenkamp, Connie U. Smith
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ISBN	3-540-46429-8
Edizione	[1st ed. 2000.]
Descrizione fisica	1 online resource (XIV, 390 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1786
Disciplina	004.1
Soggetti	Computers Computer system failures Software engineering Computer simulation Theory of Computation System Performance and Evaluation Software Engineering Simulation and Modeling
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Invited Paper -- Performance Evaluation with Heavy Tailed Distributions -- Queueing Network Models -- Layered Modeling of Hardware and Software, with Application to a LAN Extension Router -- Object Allocation for Distributed Applications with Complex Workloads -- A Set of Tools for Traffic Modeling, Analysis and Experimentation -- Queueing Analysis of Pools in Soft Real-Time Systems -- Xaba: Exact, Approximate, and Asymptotic Solvers for Multi-class Closed Queueing Networks -- Decomposition of General Tandem Queueing Networks with MMPP Input -- Exact and Approximate Solutions for a Class of Infinite Markovian Models -- Performance Evaluation of a Distributed Enterprise Data Mining System -- Optimisation in Mobile Networks -- Minimization of the Impact of Subscriber Mobility on the Resources of a

GSM Network -- Optimal Allocation Policies for Mobile Agents --  
Stochastic Petri Nets -- Iterative Analysis of Markov Regenerative  
Models -- Analysis and Evaluation of Non-Markovian Stochastic Petri  
Nets -- Petri Net Modelling and Performability Evaluation with TimeNET  
3.0 -- Integrating Synchronization with Priority into a Kronecker  
Representation -- Simulation -- Implementation of Importance  
Splitting Techniques in Stochastic Petri Net Package -- FluidSim: A Tool  
to Simulate Fluid Models of High-Speed Networks -- Formal Methods  
and Performance Evaluation -- Exploiting Modal Logic to Express  
Performance Measures -- Derivation of Petri Net Performance Models  
from UML Specifications of Communications Software -- Measurement  
Tools and Applications -- Scalability of a Workstation Cluster  
Architecture for Video-on-Demand Applications -- Multilayer Online-  
Monitoring for Hybrid DSM Systems on Top of PC Clusters with a SMiLE  
-- Design and Implementation of a Tool for Measuring the Performance  
of Complex E-commerce Sites -- Tool Descriptions -- FiFiQueues:  
Fixed-Point Analysis of Queueing Networks with Finite-Buffer Stations  
-- Galileo: A Tool for Dynamic Fault Tree Analysis -- Möbius: An  
Extensible Tool for Performance and Dependability Modeling --  
MRMSolve: A Tool for Transient Analysis of Large Markov Reward  
Models -- Calculation and Use of Peaking Factors for Remote Terminal  
Emulation -- Reliability and Performability Modeling Using SHARPE  
2000 -- The Simalytic Modeling Technique: Overview for Application  
Performance Analysis -- SPNP: Stochastic Petri Nets. Version 6.0 --  
SREPT: Software Reliability Estimation and Prediction Tool -- STEADY —  
A Tool for Predicting Performance of Parallel DBMSs -- The TANGRAM-  
II Environment -- Implementing Symbolic Models for Value Passing in  
TwoTowers -- Monitoring Application-Level VoIP Grade of Service at a  
PSTN-IP Network Gateway -- ? Prof-SDL: A Tool for Identifying  
Performance Bottlenecks of Software Architectural Design.

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